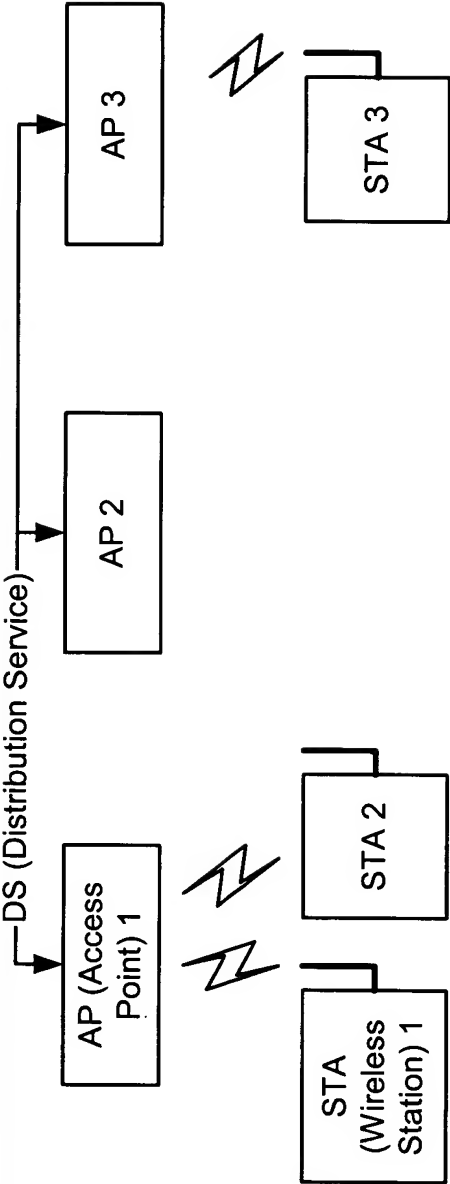


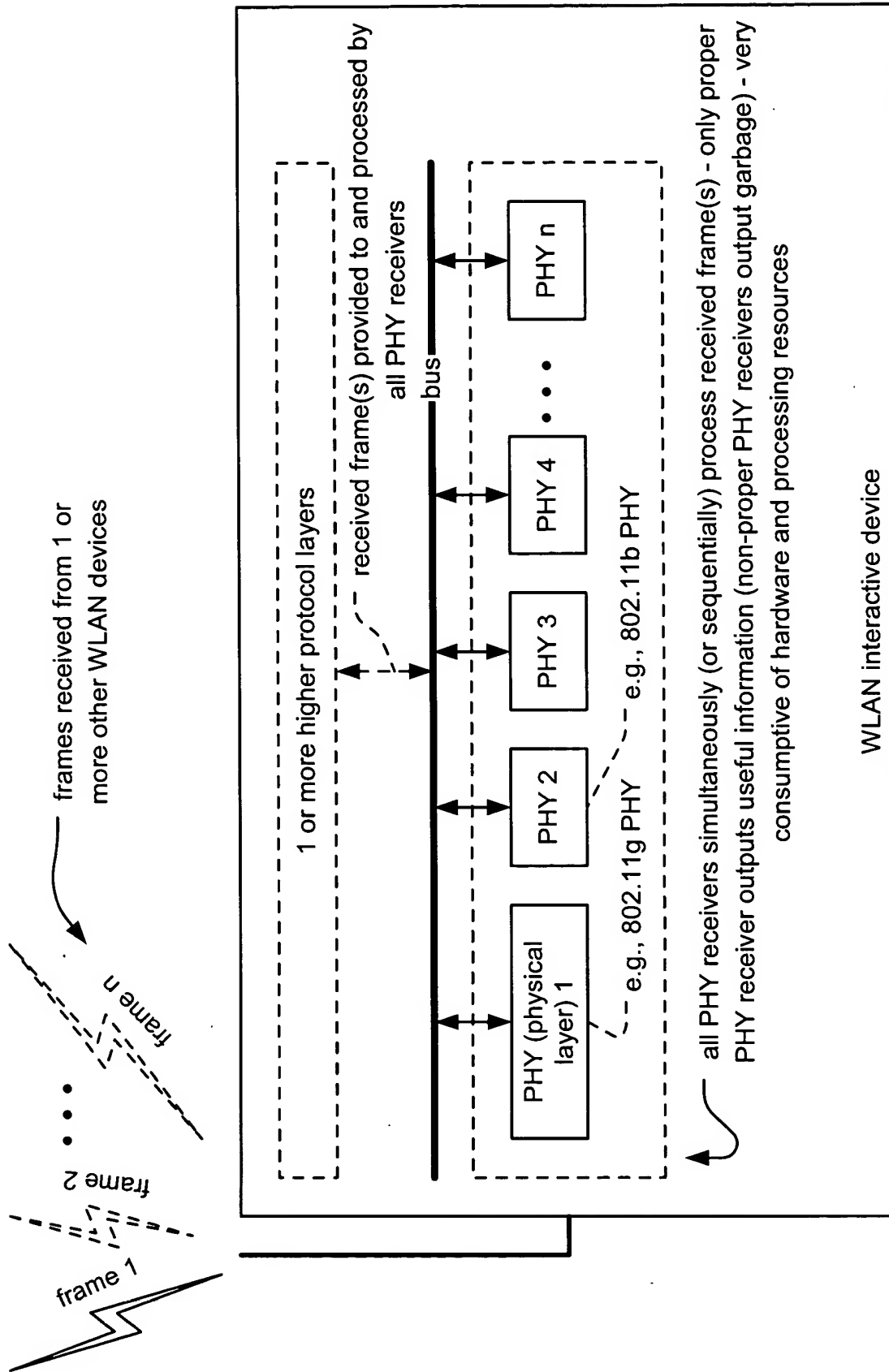
ad hoc WLAN (Wireless Local Area Network) communication system

**Fig. 1A (prior art)**



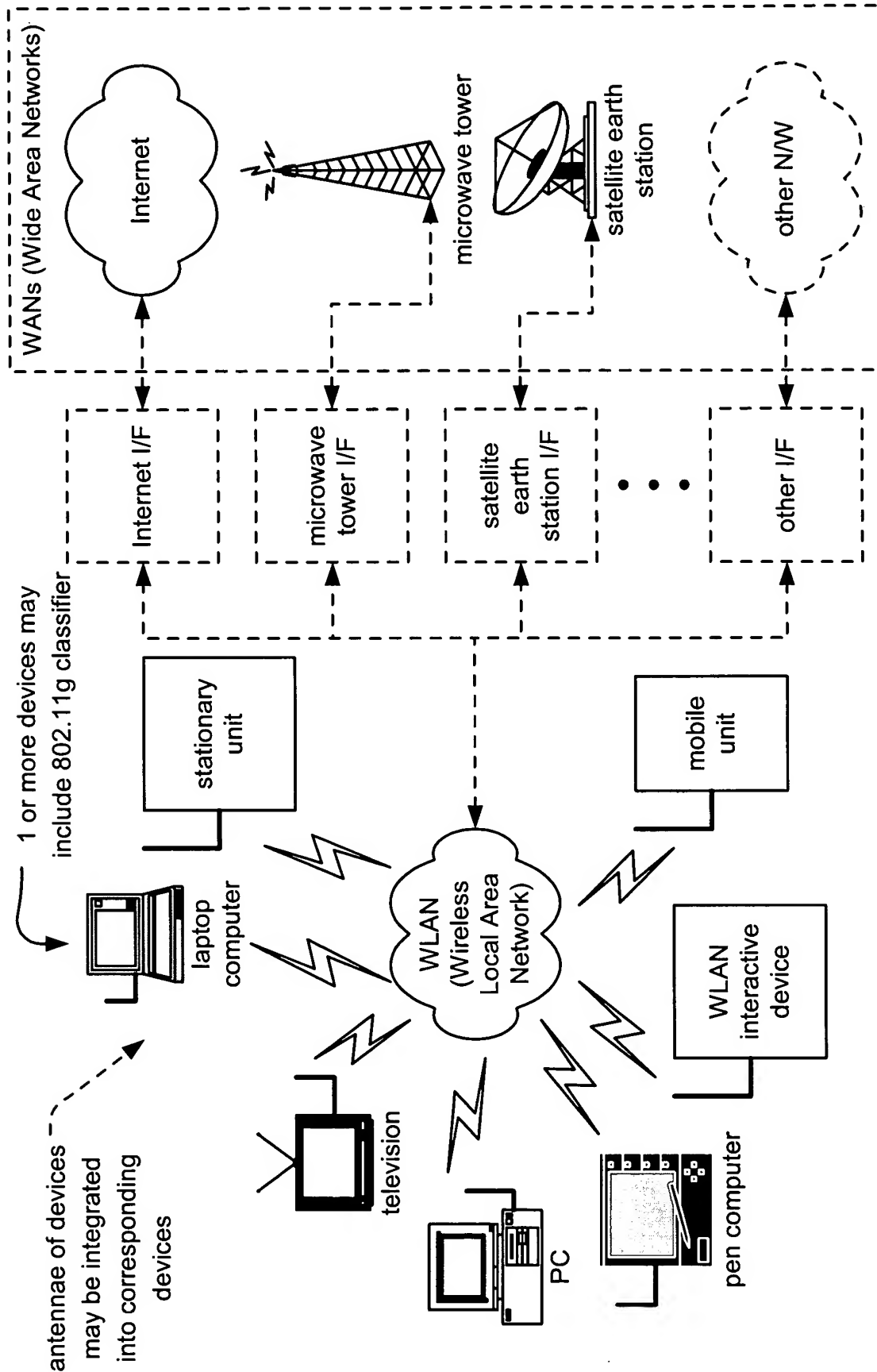
infrastructure / multiple AP (Access Point) WLAN (Wireless Local Area Network) communication system

**Fig. 1B (prior art)**



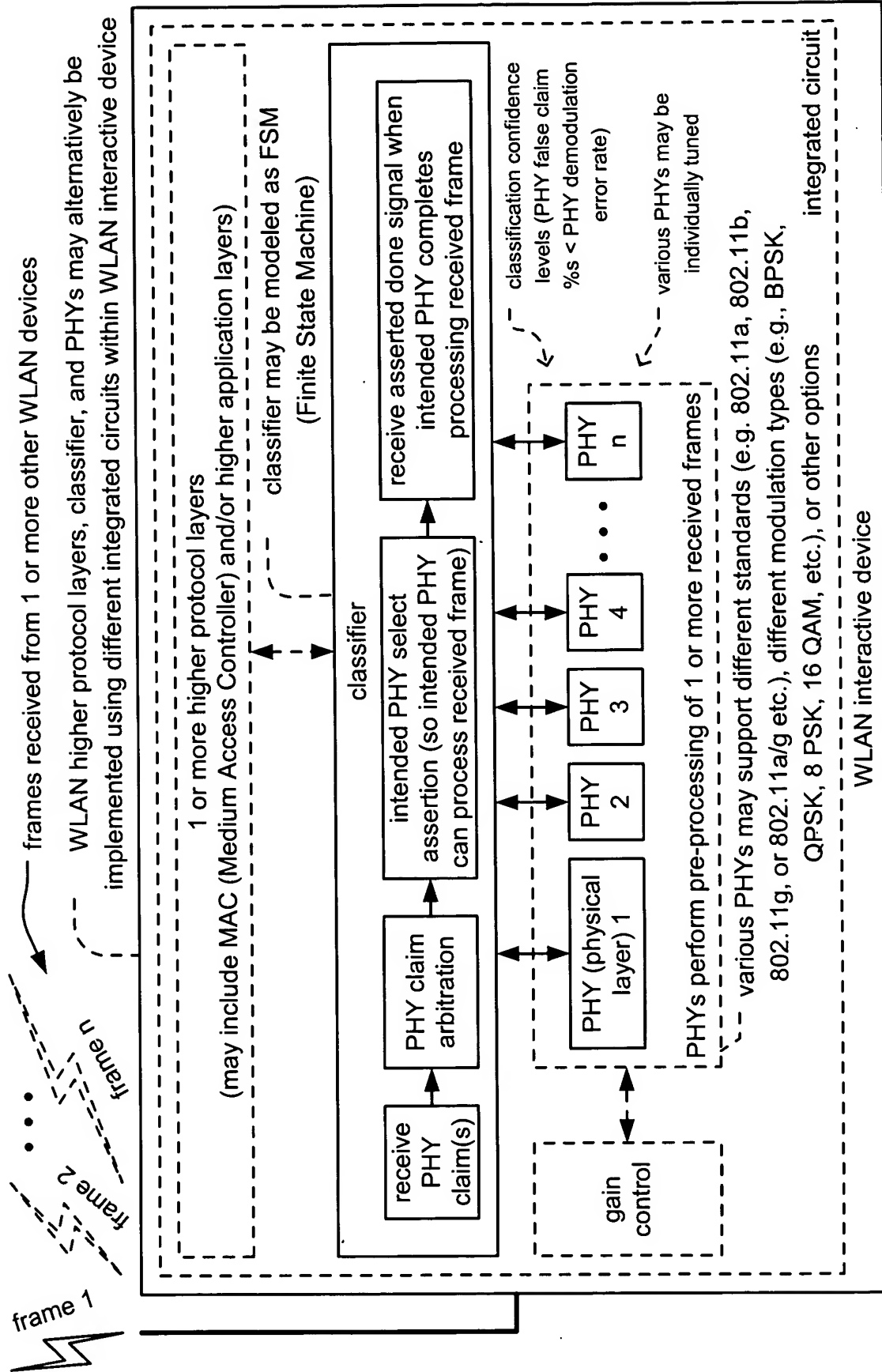
WLAN (Wireless Local Area Network) interactive device having parallel operating PHY (physical layer) receivers

**Fig. 2 (prior art)**



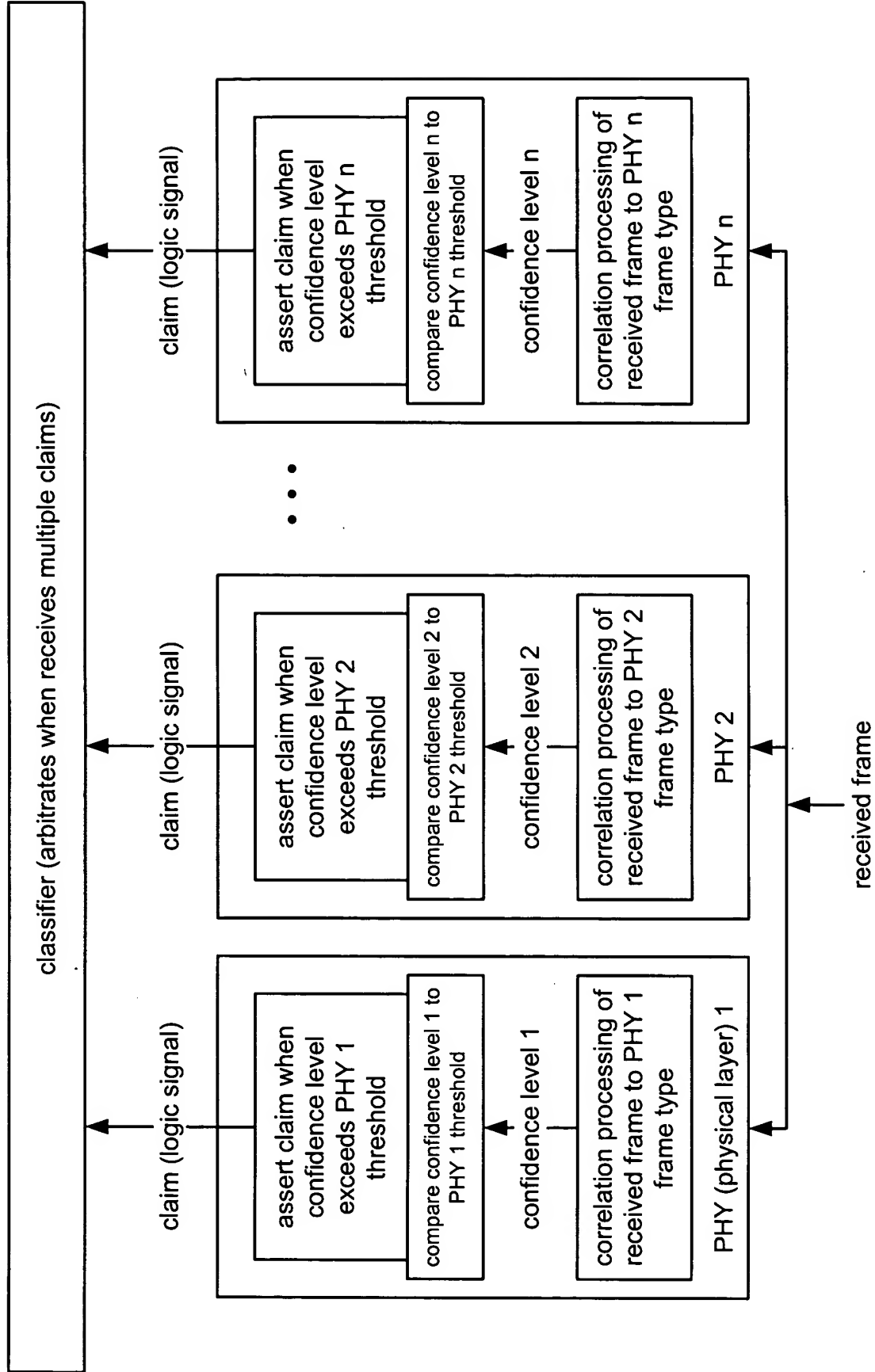
WLAN (Wireless Local Area Network) communication system

**Fig. 3**

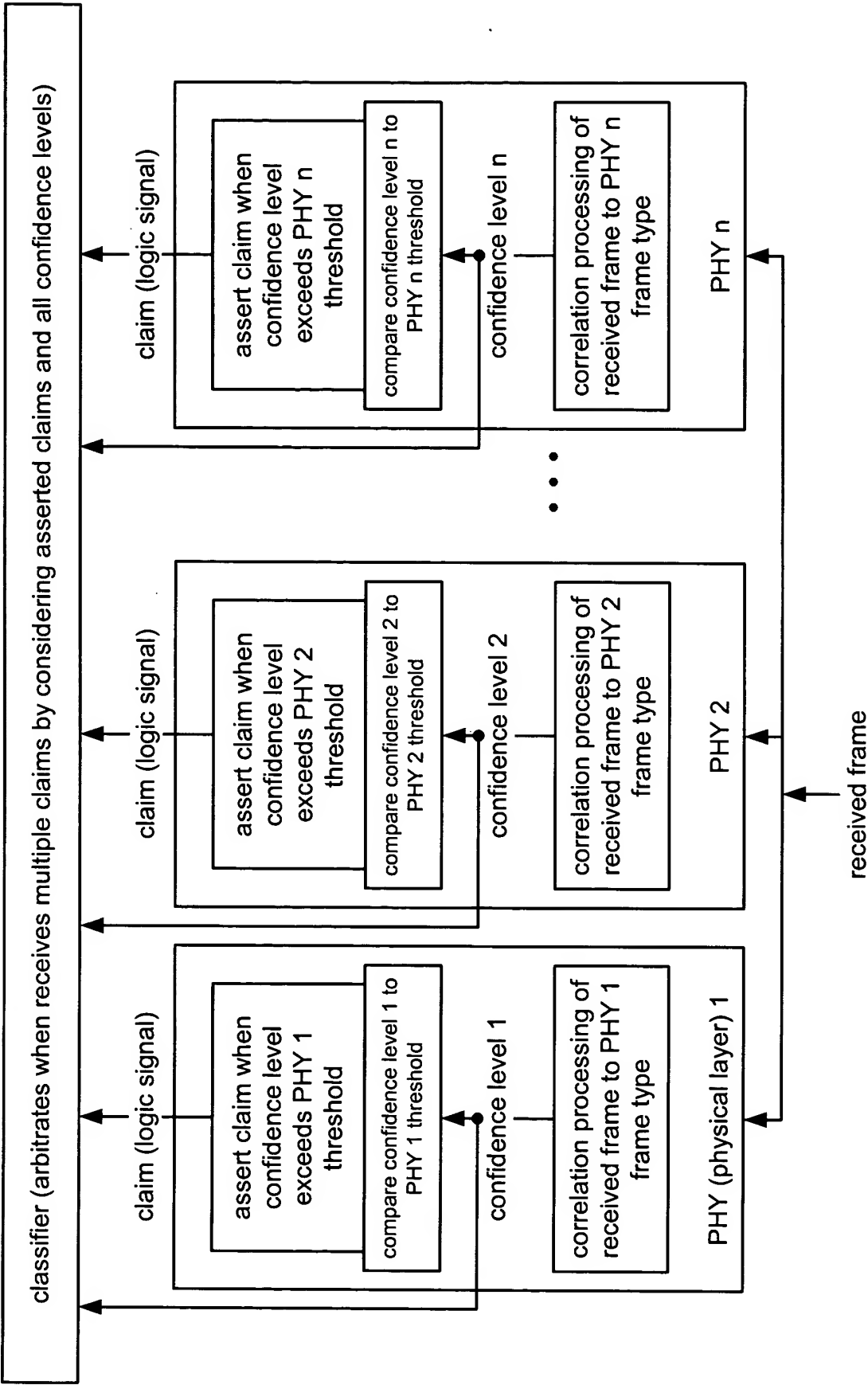


WLAN (Wireless Local Area Network) interactive device including classifier

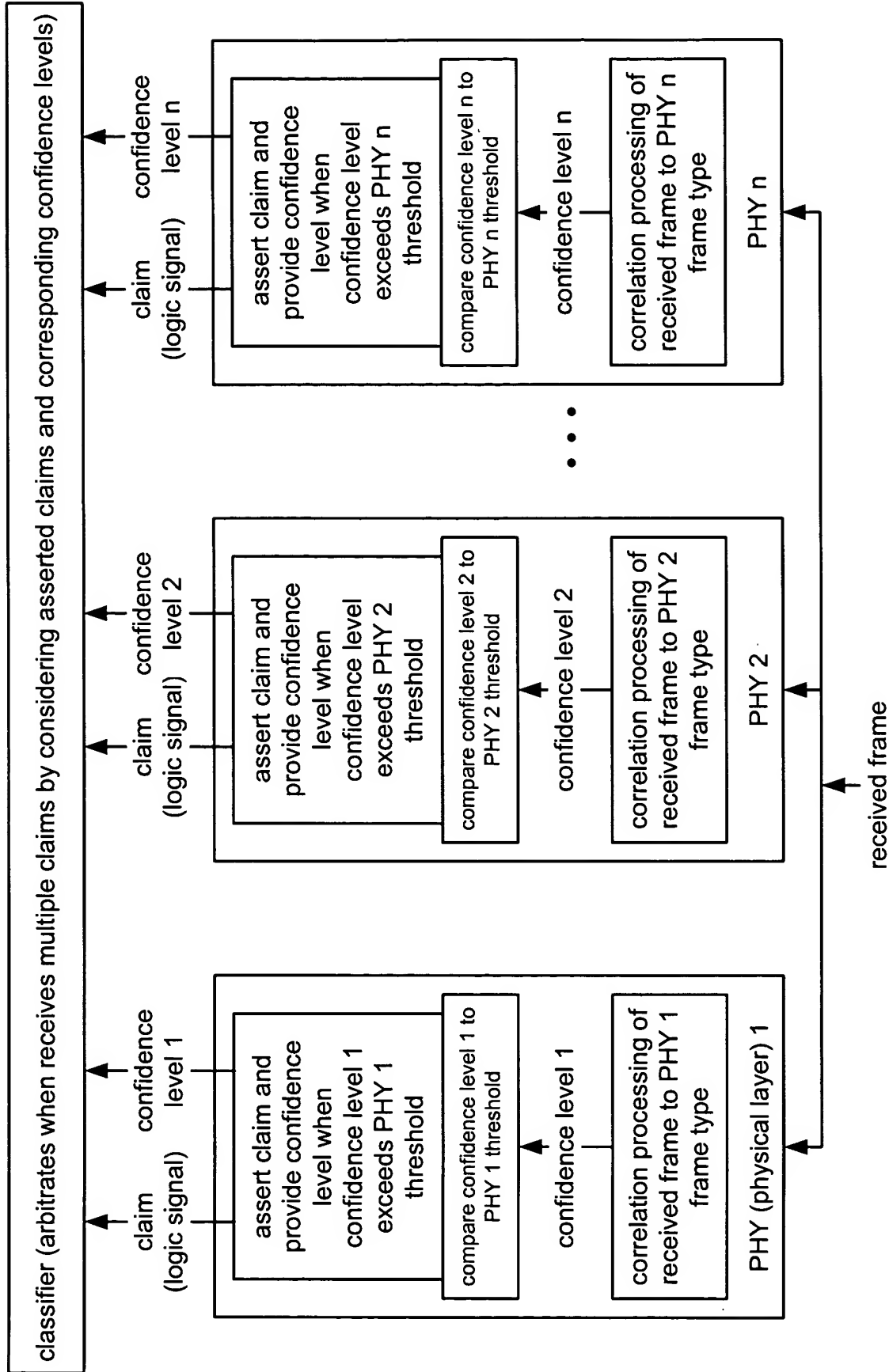
**Fig. 4**



PHY (physical layer) functionality to determine whether to assert claims to classifier  
**Fig. 5**

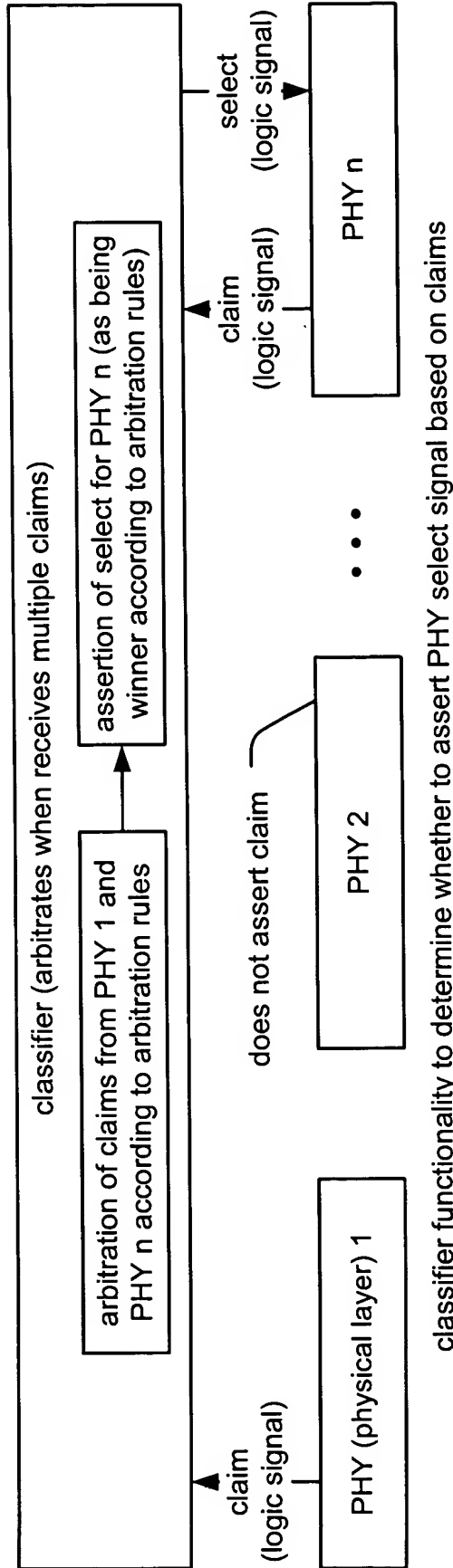
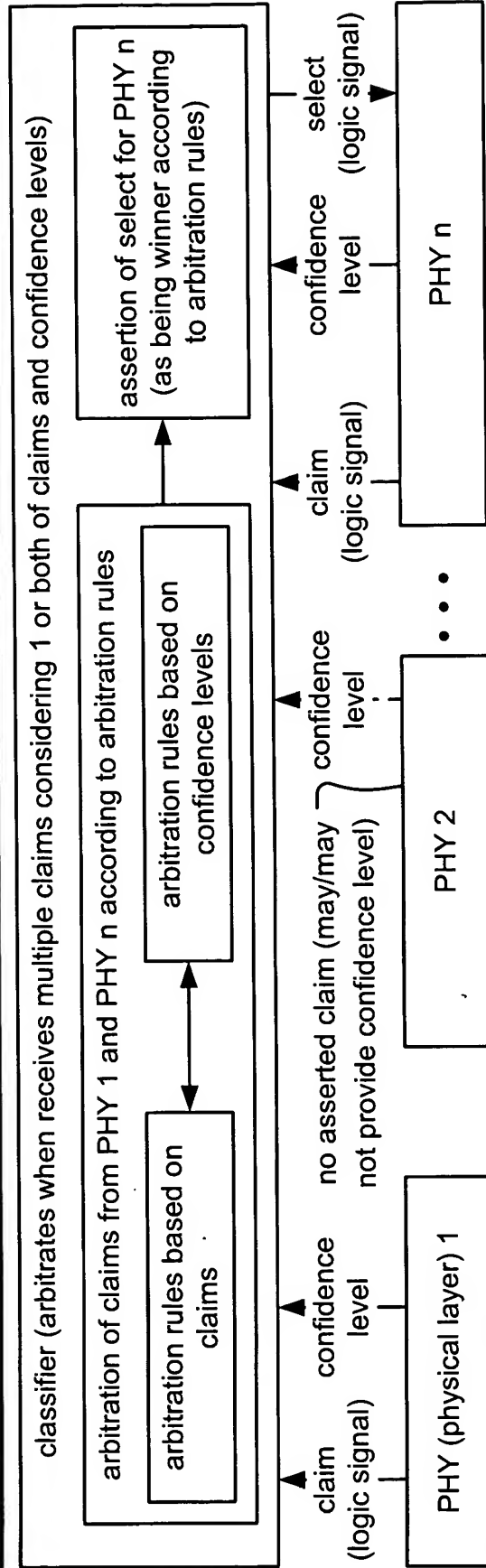


PHY functionality to determine whether to assert claims (while always providing confidence levels) to classifier  
**Fig. 6**

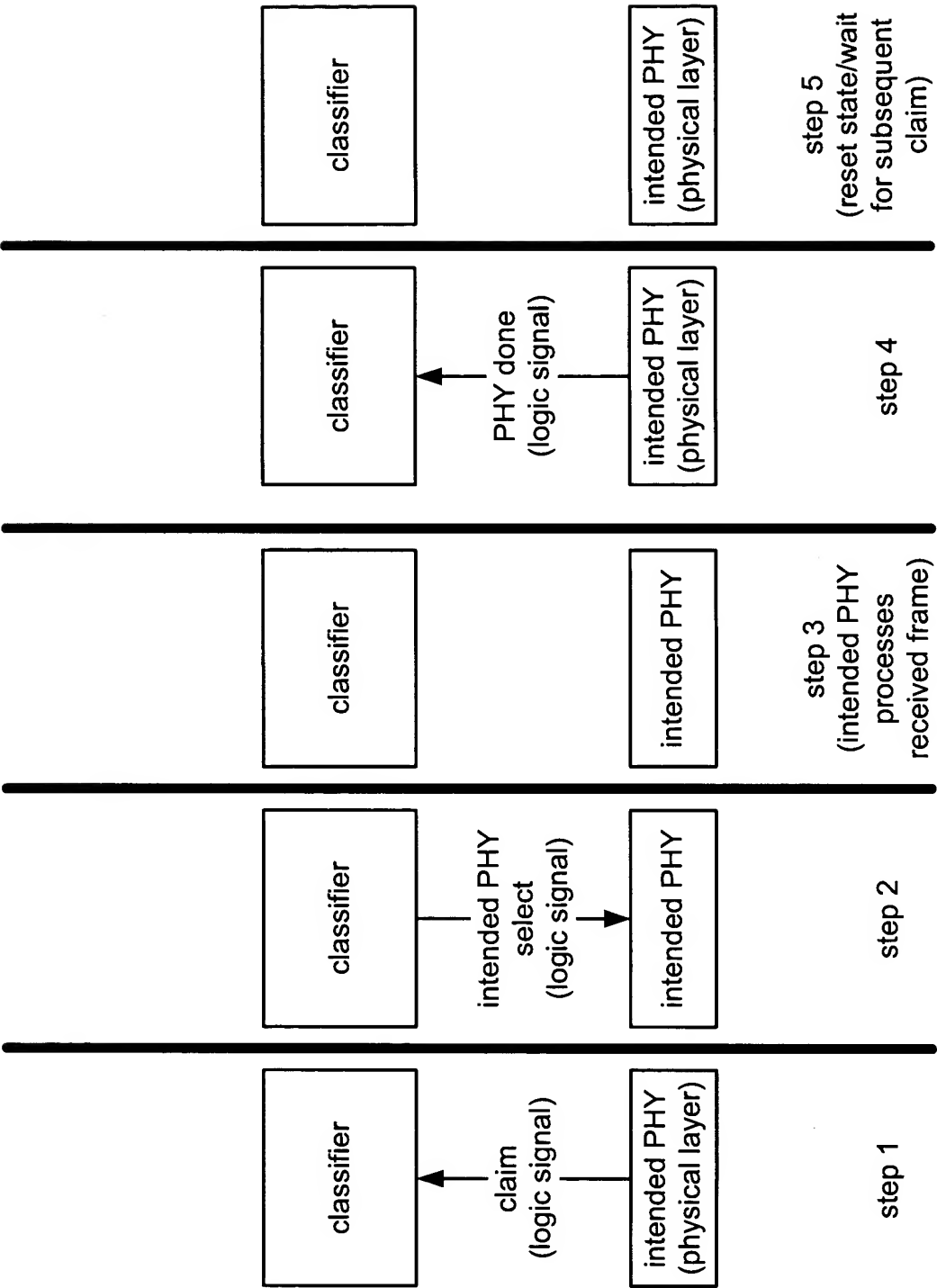


PHY functionality to determine whether to assert claims and whether to provide confidence levels to classifier

**Fig. 7**

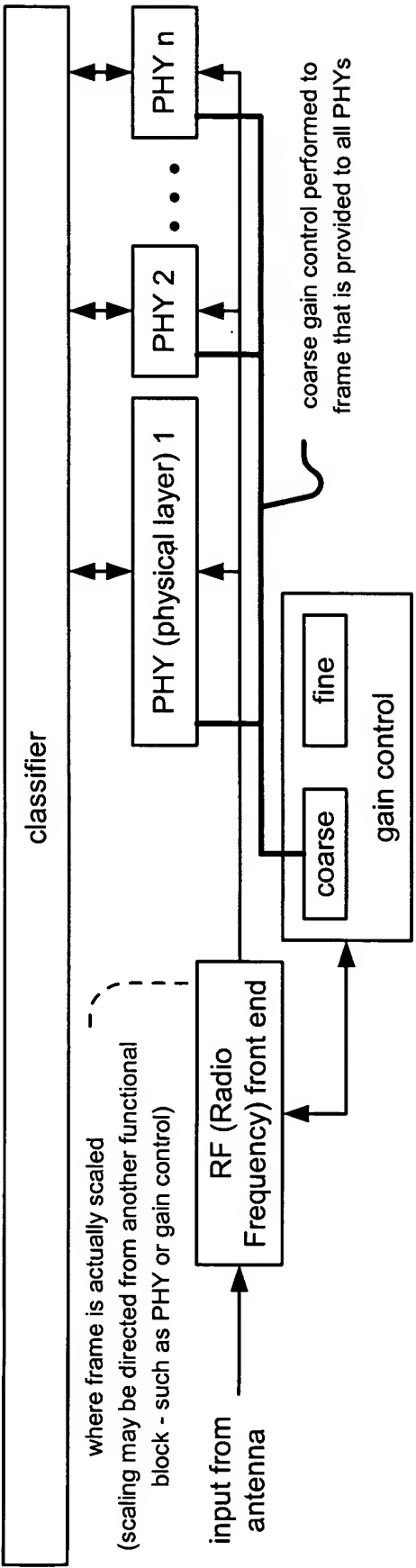
**Fig. 8A****Fig. 8B**





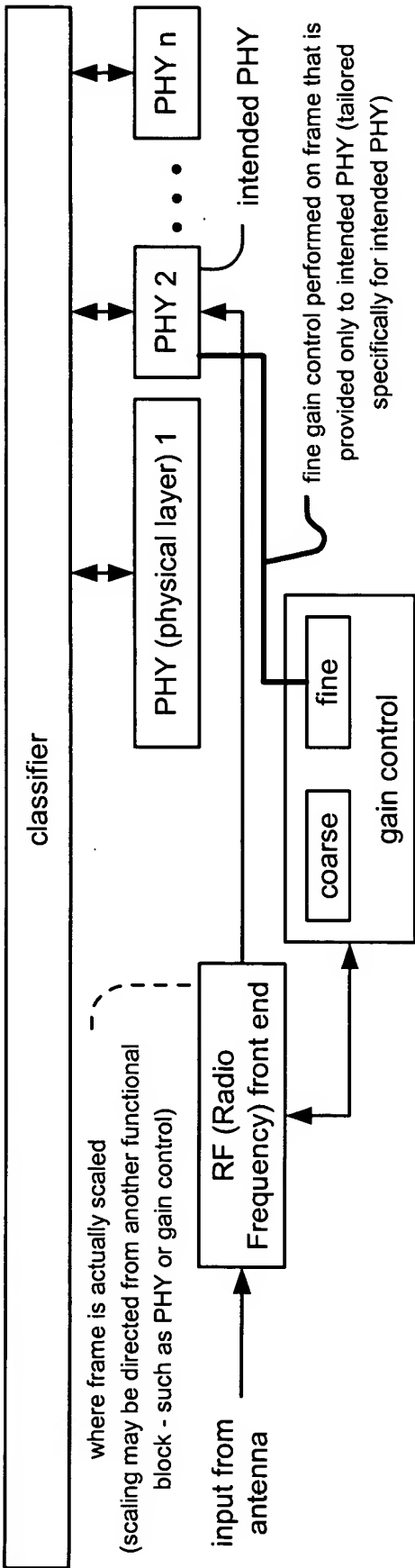
classifier/PHY functionality as a function of steps (shown with respect to intended PHY/classifier interface)

**Fig. 9**



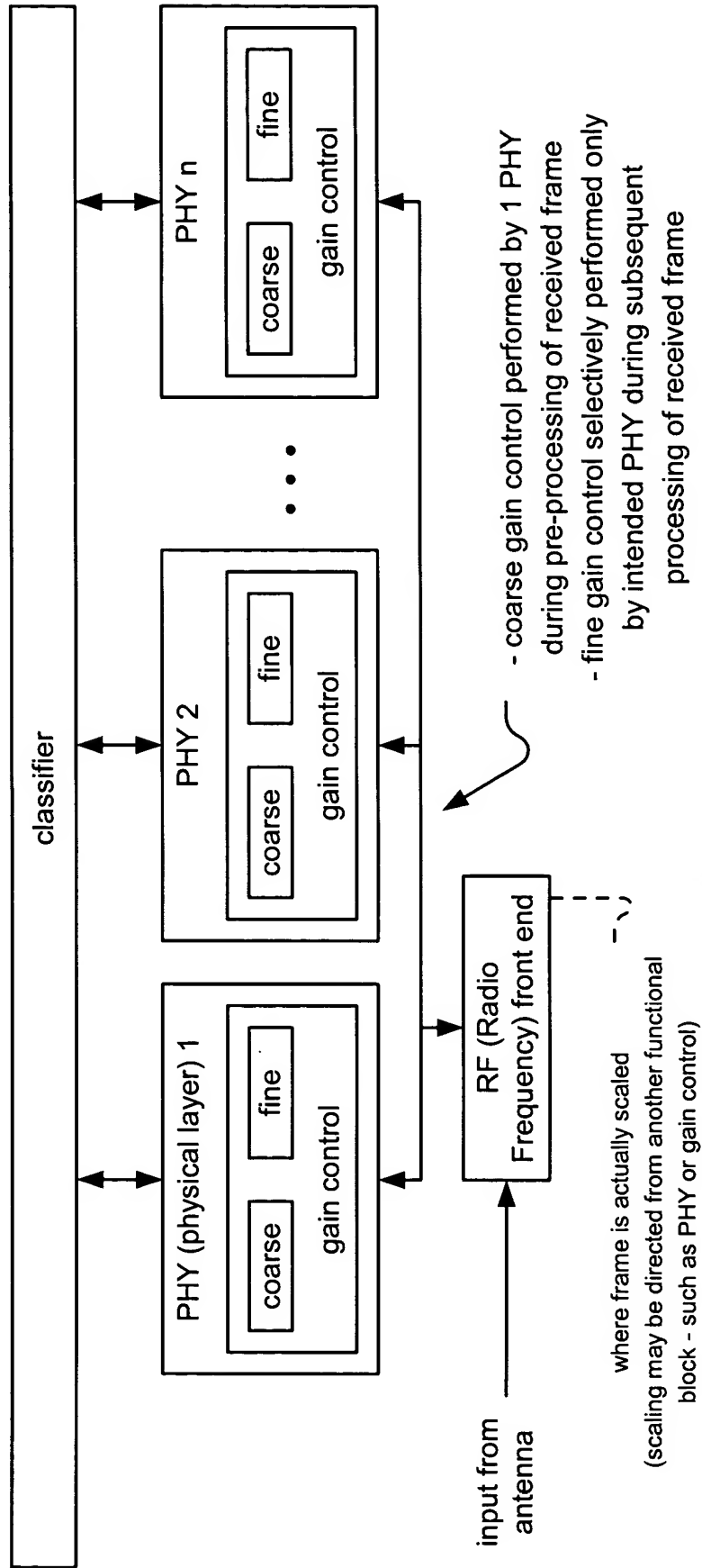
gain control functionality (during pre-processing of received frame by all PHYs)

Fig. 10A



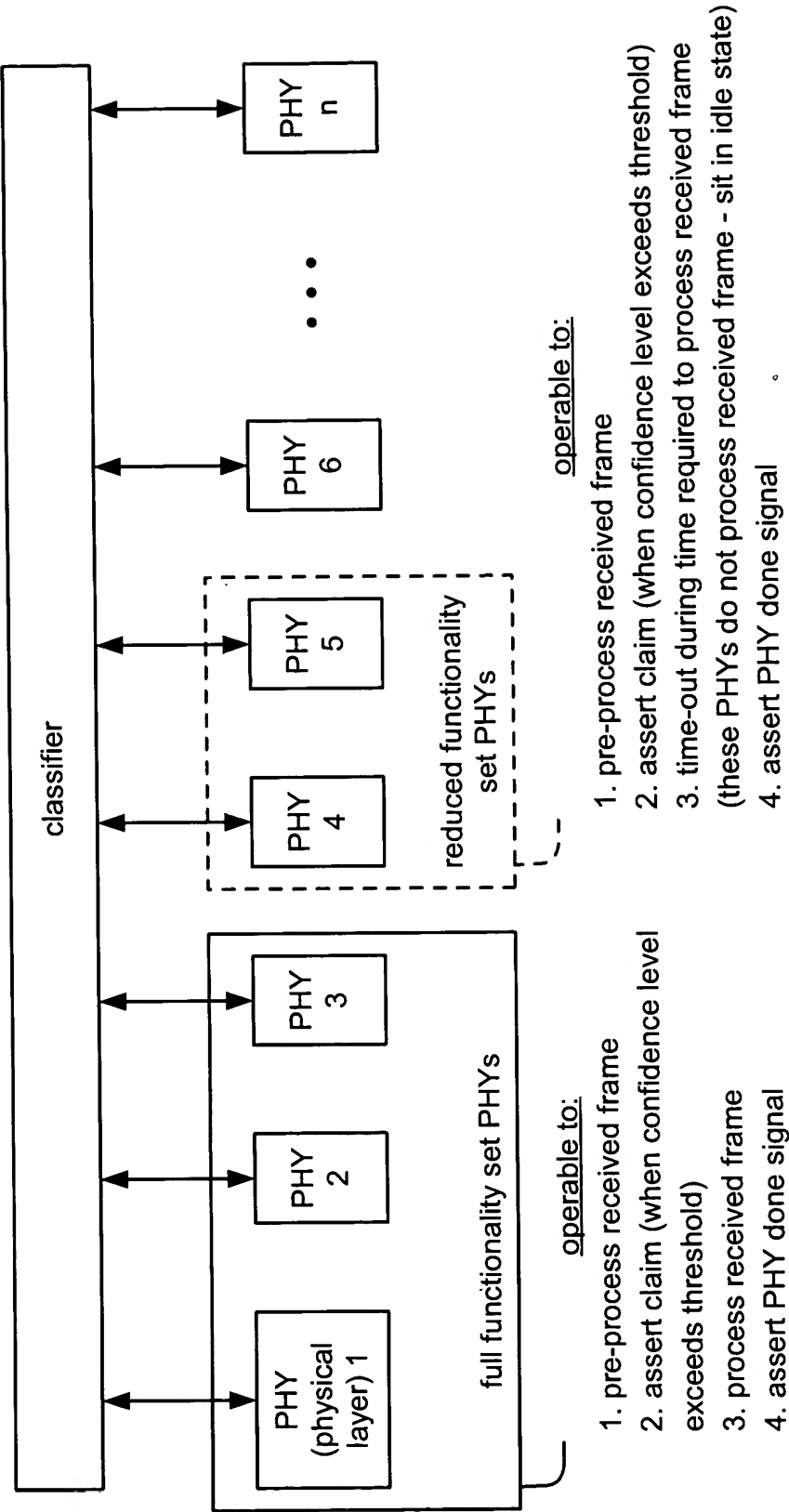
gain control functionality (during processing of received frame only by intended PHY - shown as being PHY 2)

Fig. 10B



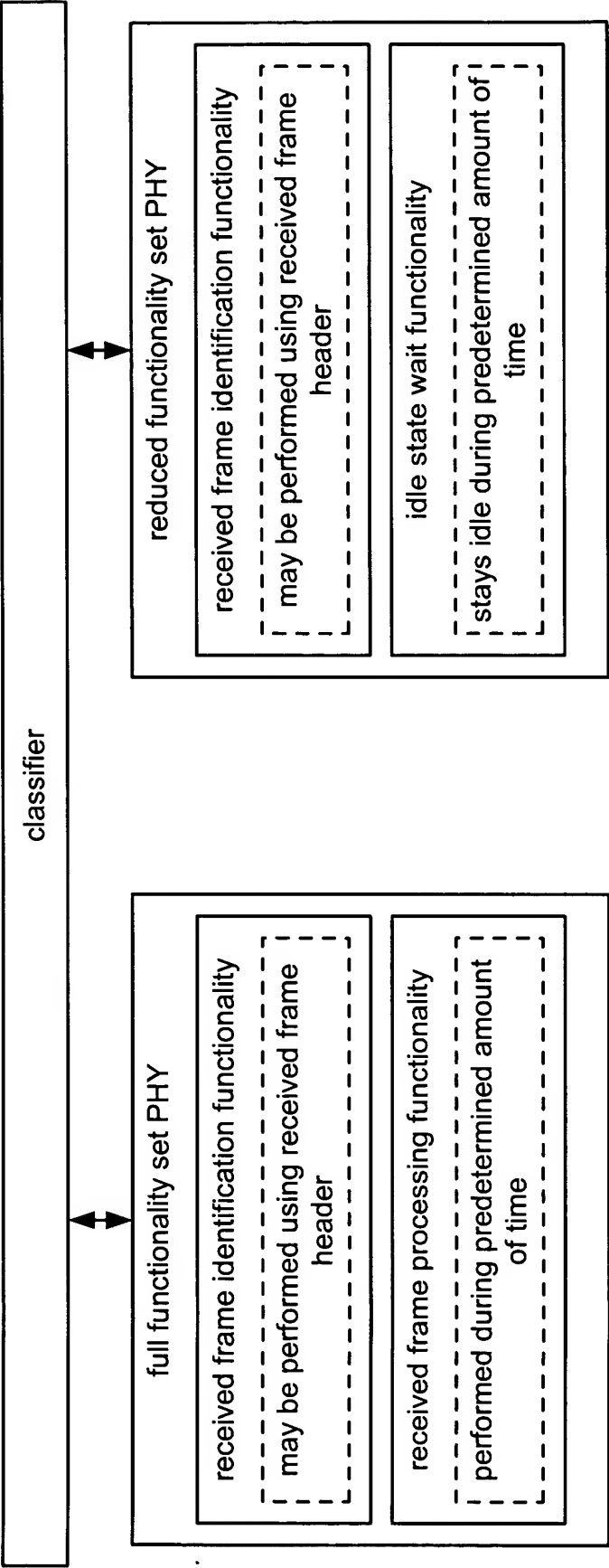
gain control functionality (as controlled individually within respective PHYs)

**Fig. 11**



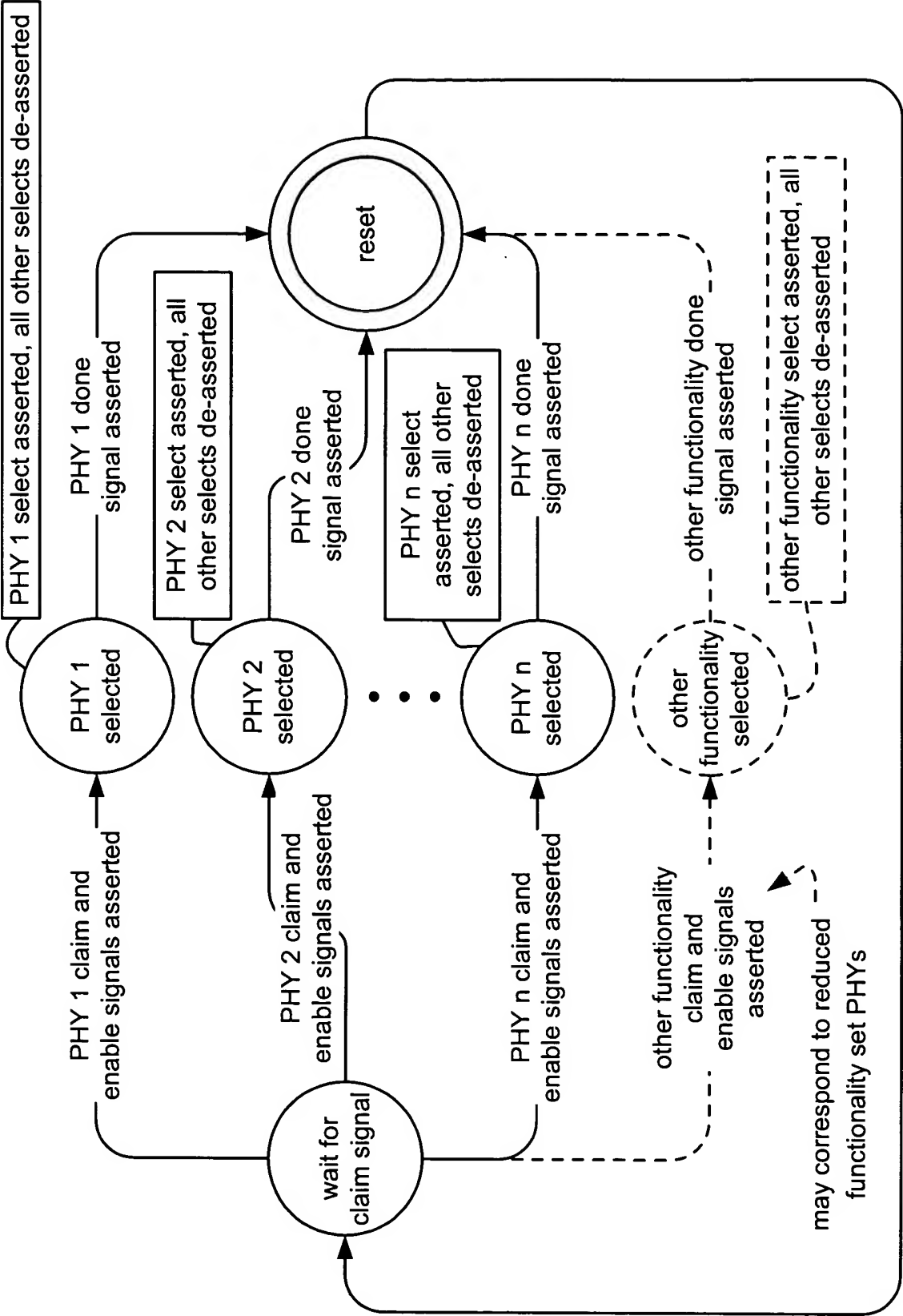
reduced functionality set PHYs implemented within WLAN interactive device

Fig. 12



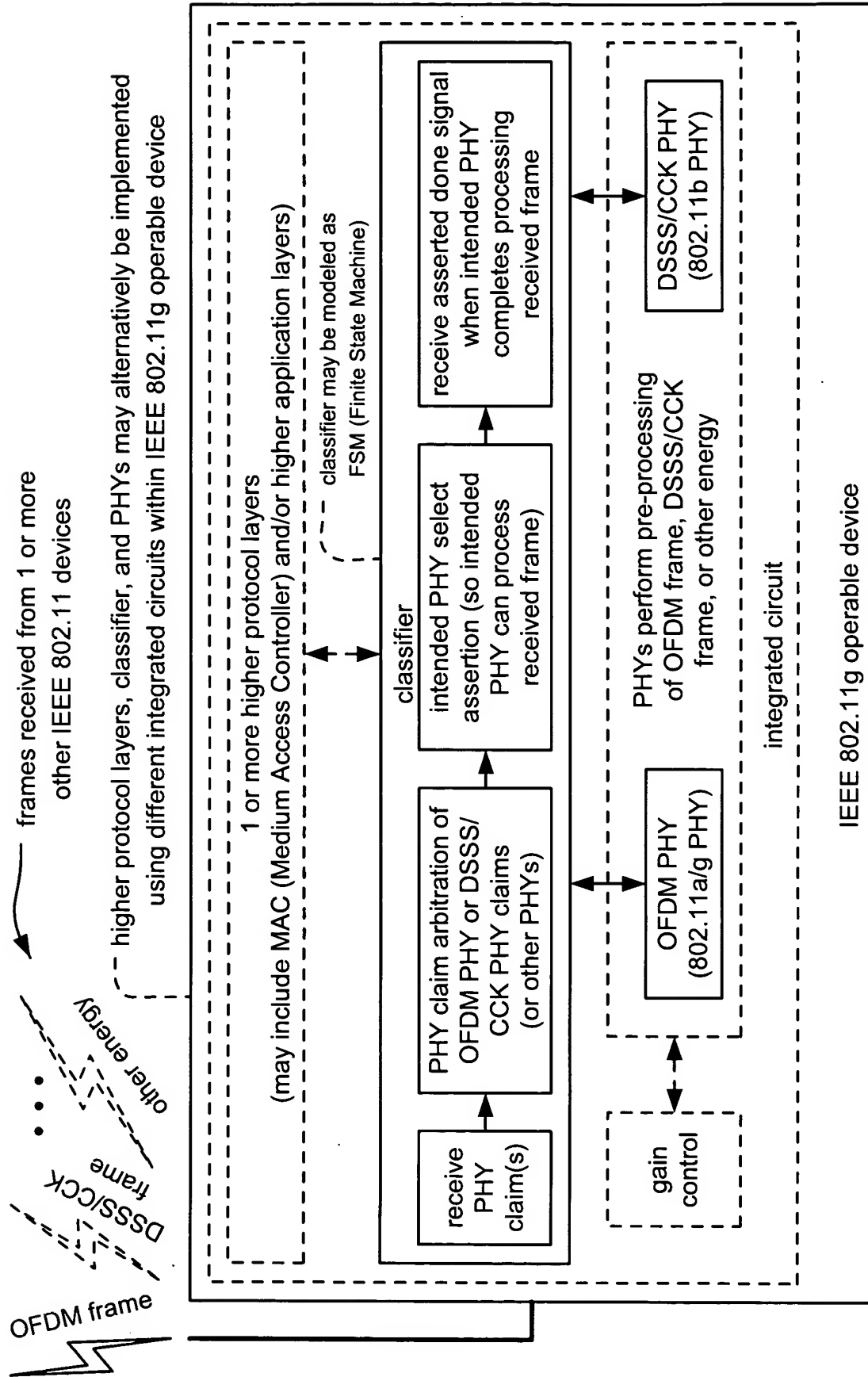
full functionality set PHY and reduced functionality set PHY implemented within WLAN interactive device

**Fig. 13**



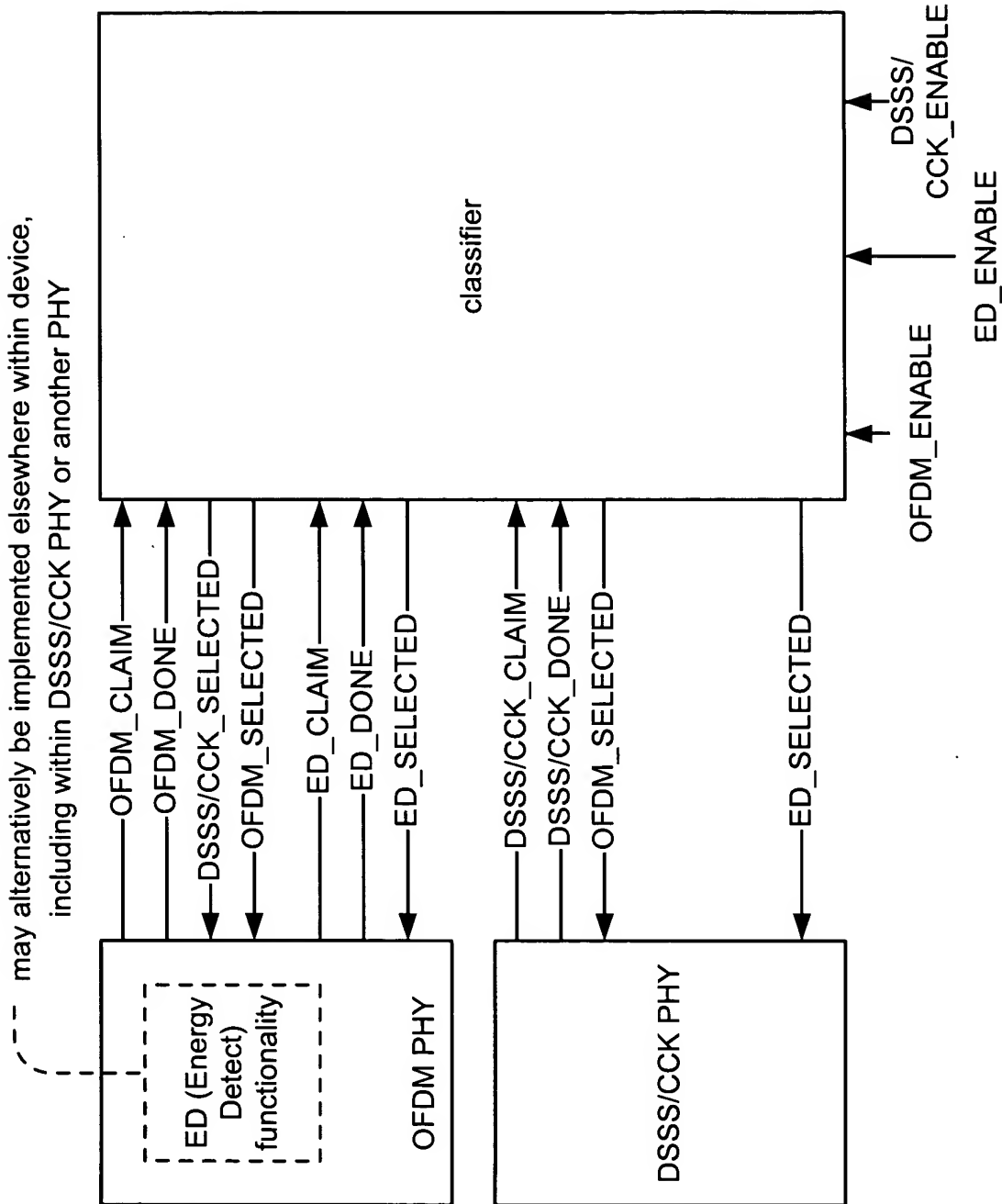
classifier state diagram

Fig. 14



PHY (physical layer)/classifier interface within IEEE 802.11g operable device

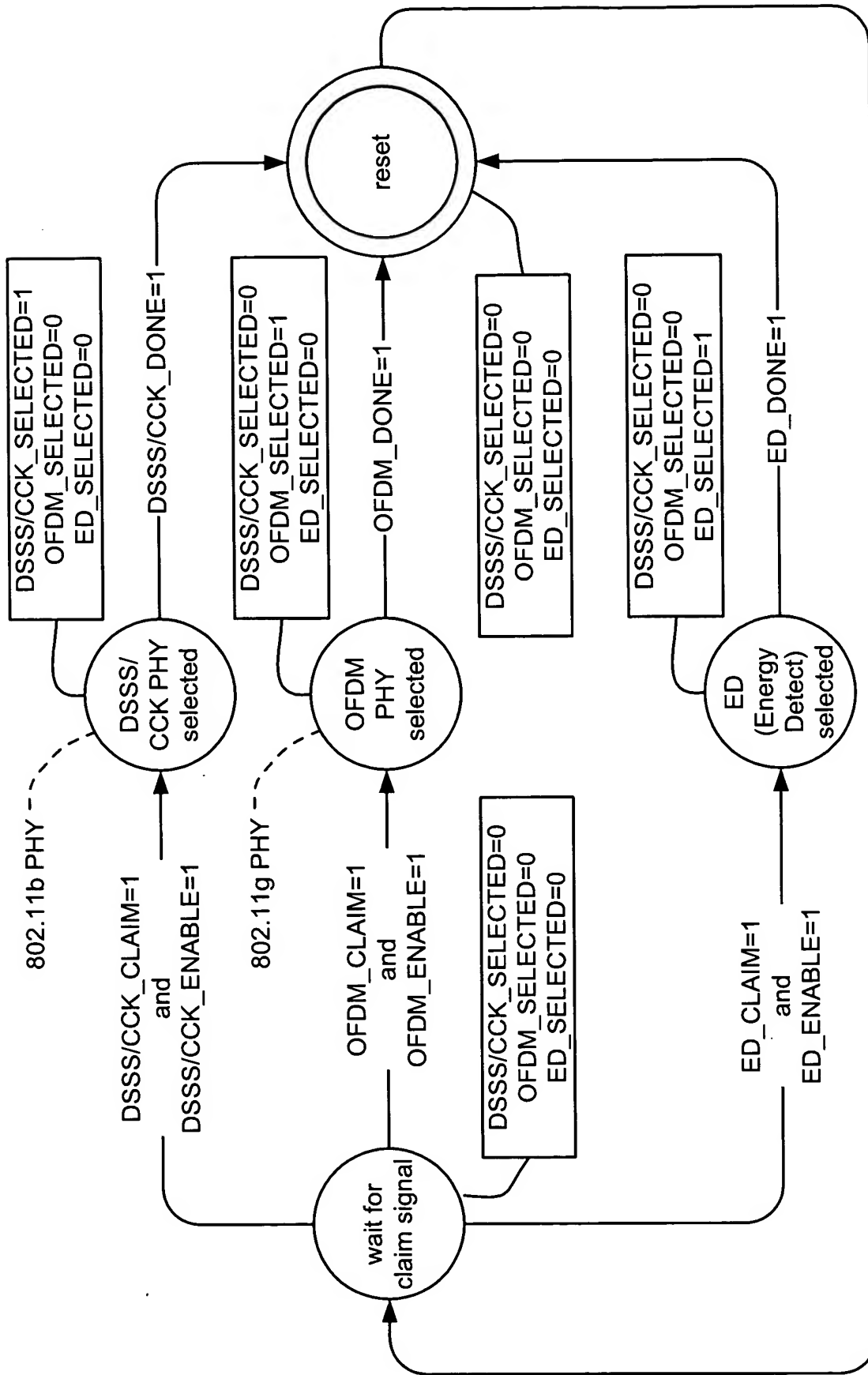
**Fig. 15**



PHY (physical layer)/classifier interface for IEEE 802.11g operable device

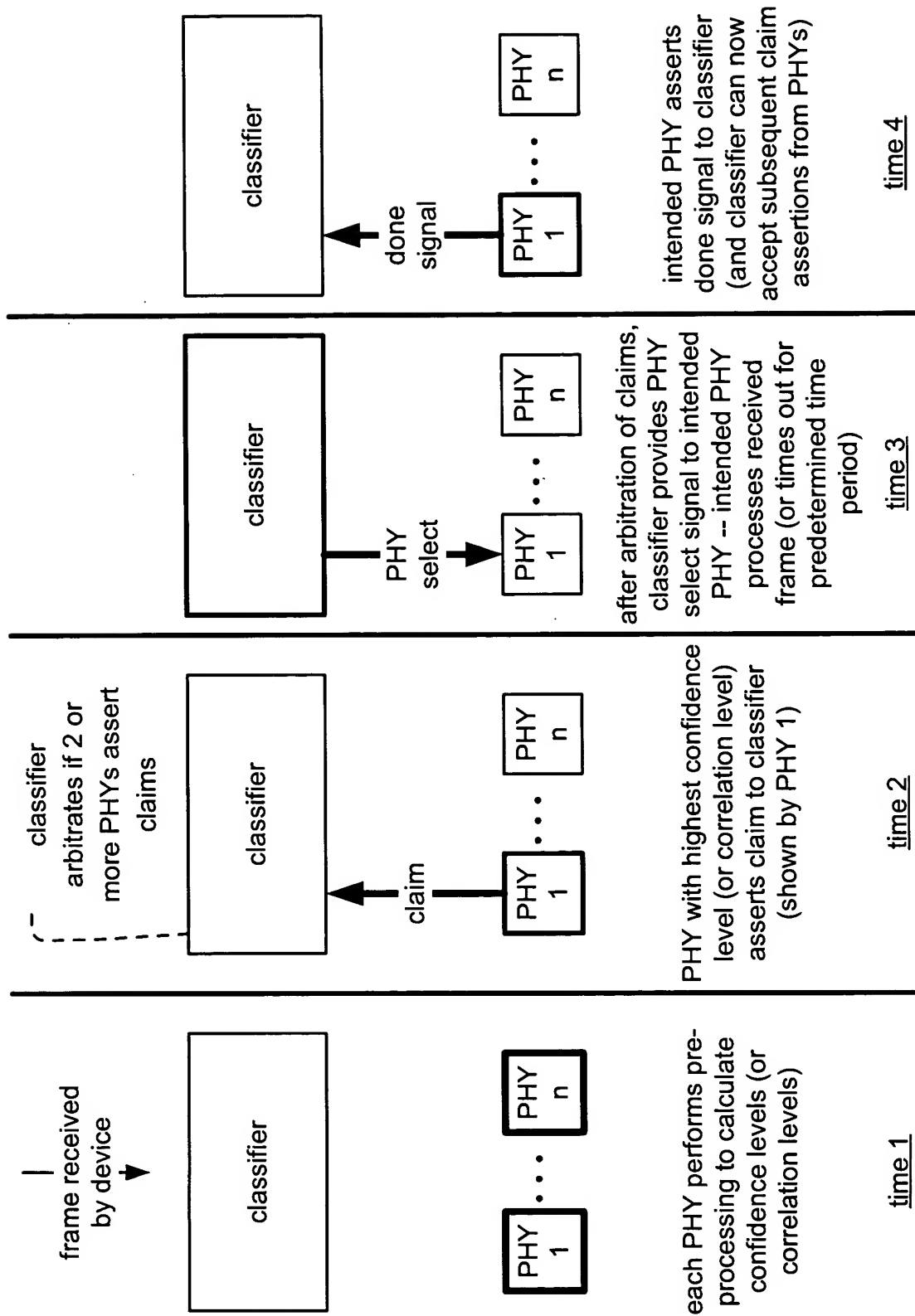
**Fig. 16**





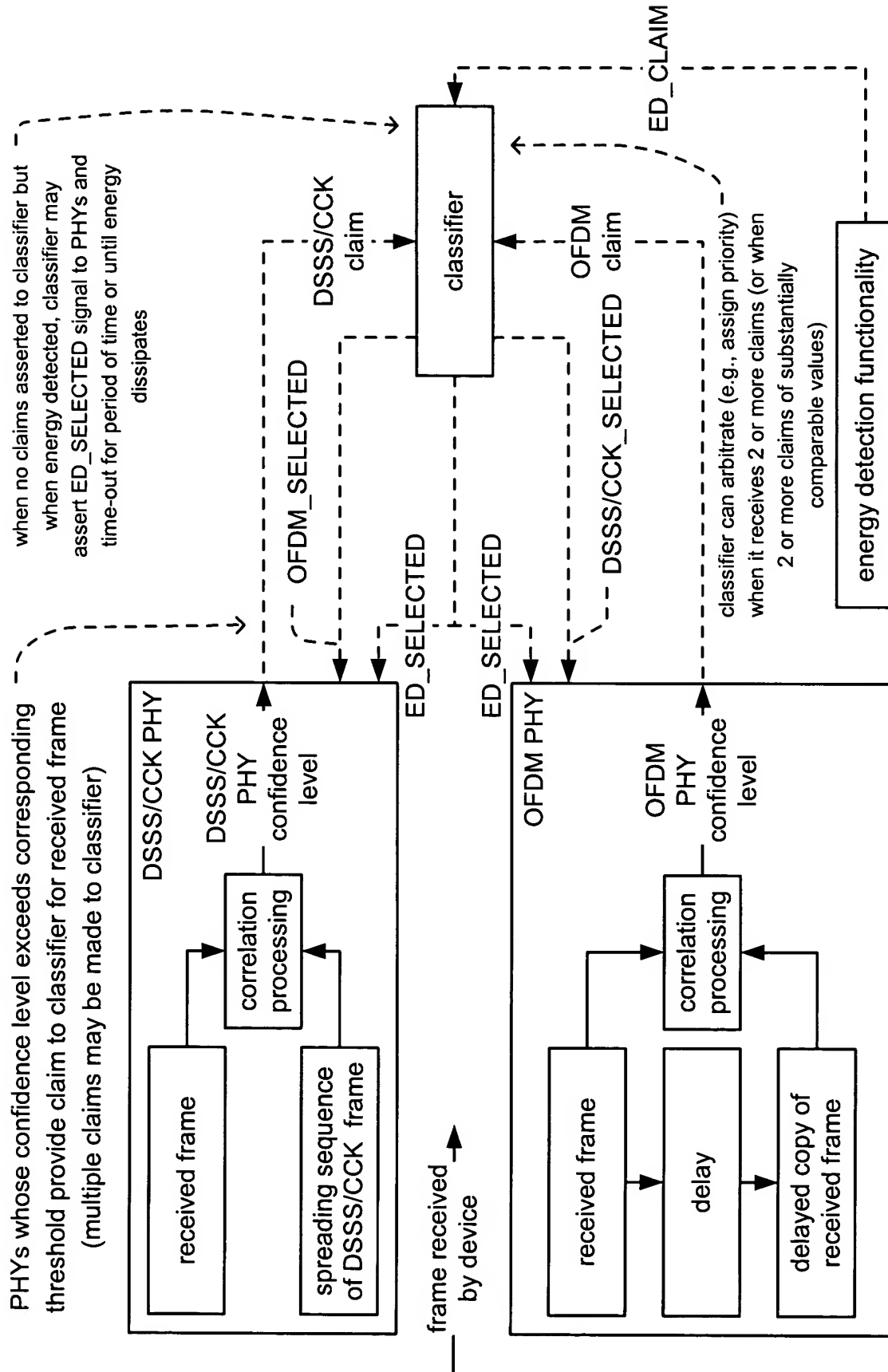
classifier state diagram for IEEE 802.11g operable device

**Fig. 17**



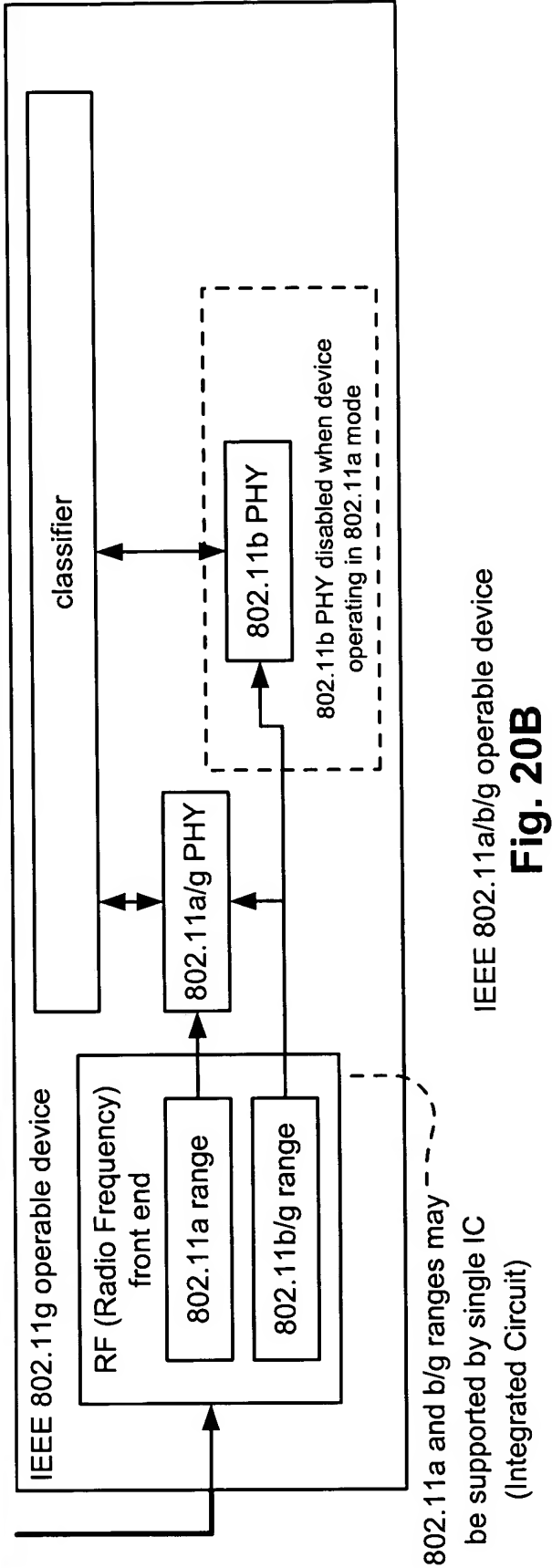
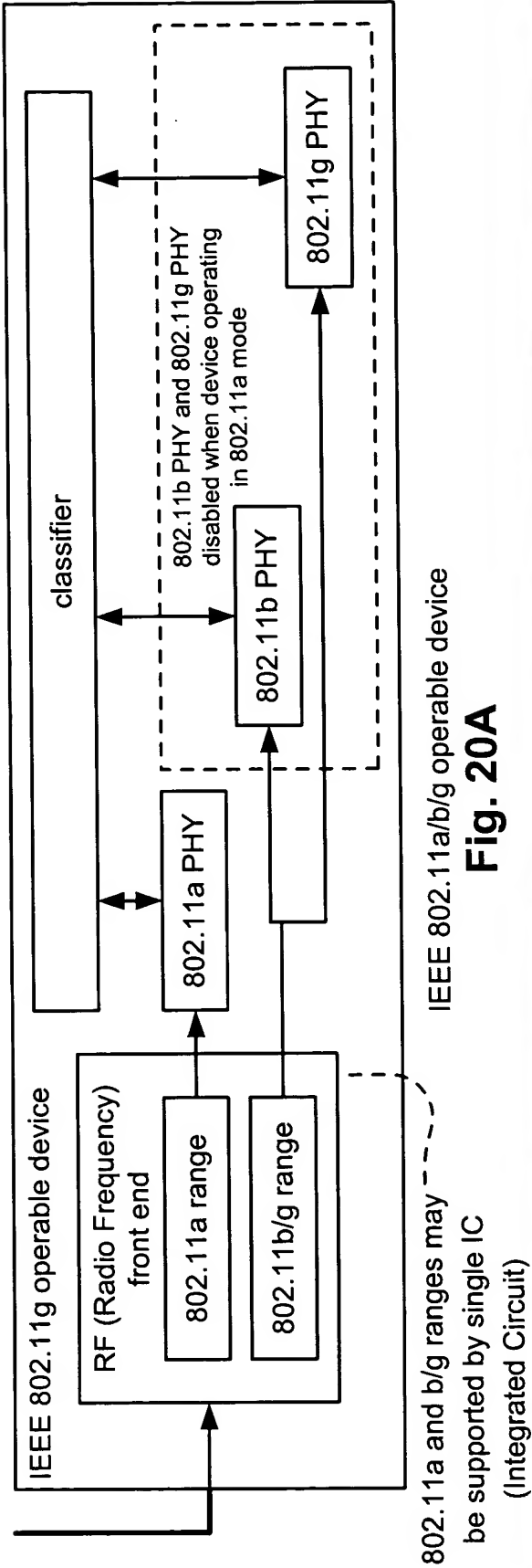
PHY (physical layer)/classifier interface interaction as function of time

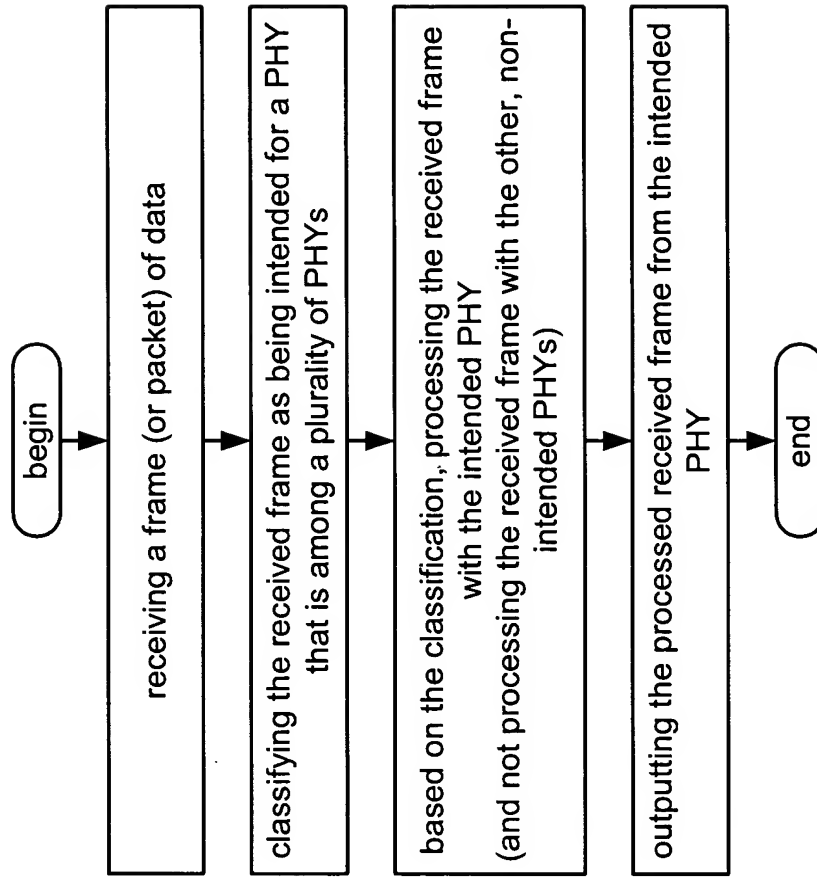
**Fig. 18**



DSSS/CCK and OFDM PHY correlation pre-processing to calculate confidence levels

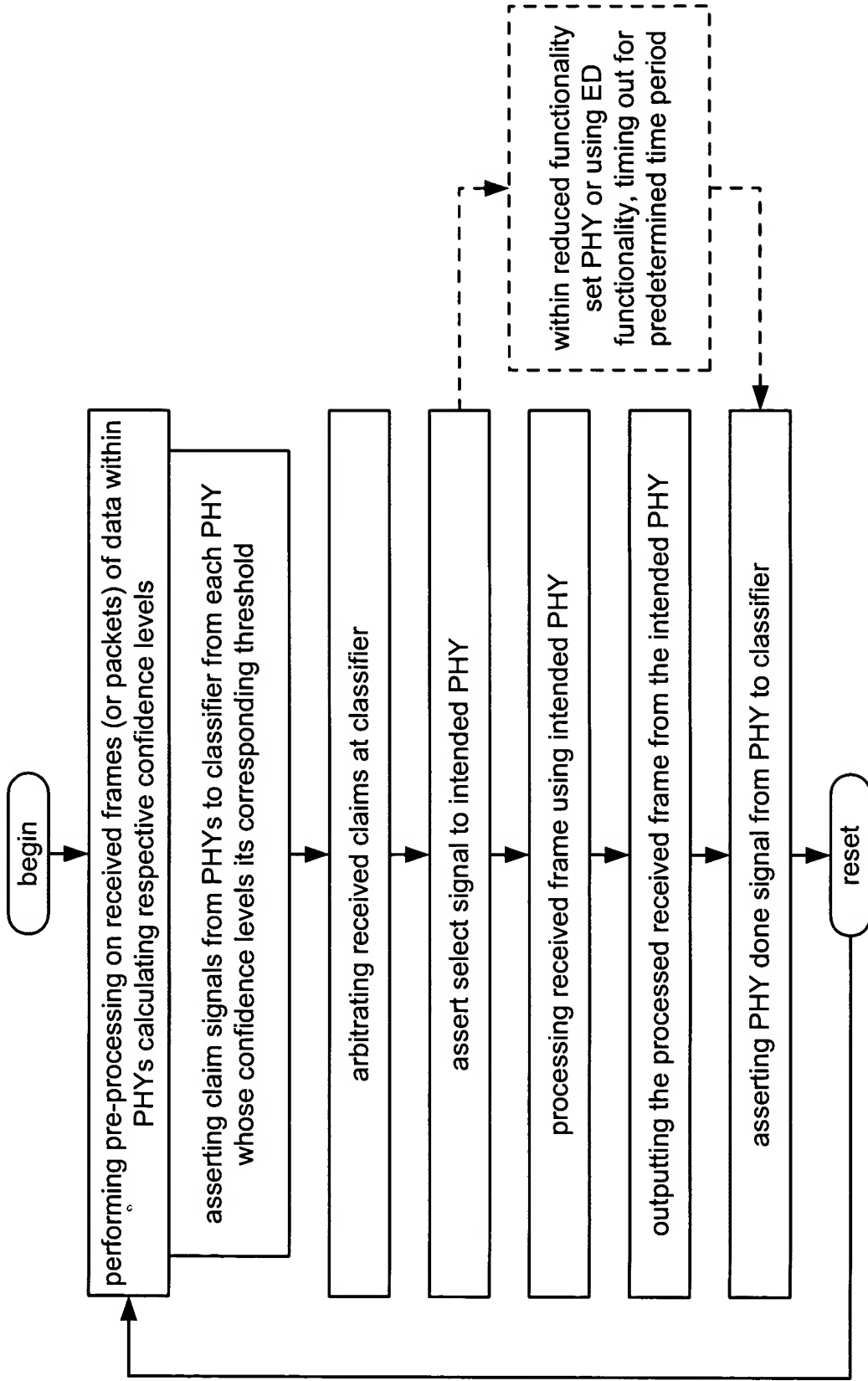
**Fig. 19**





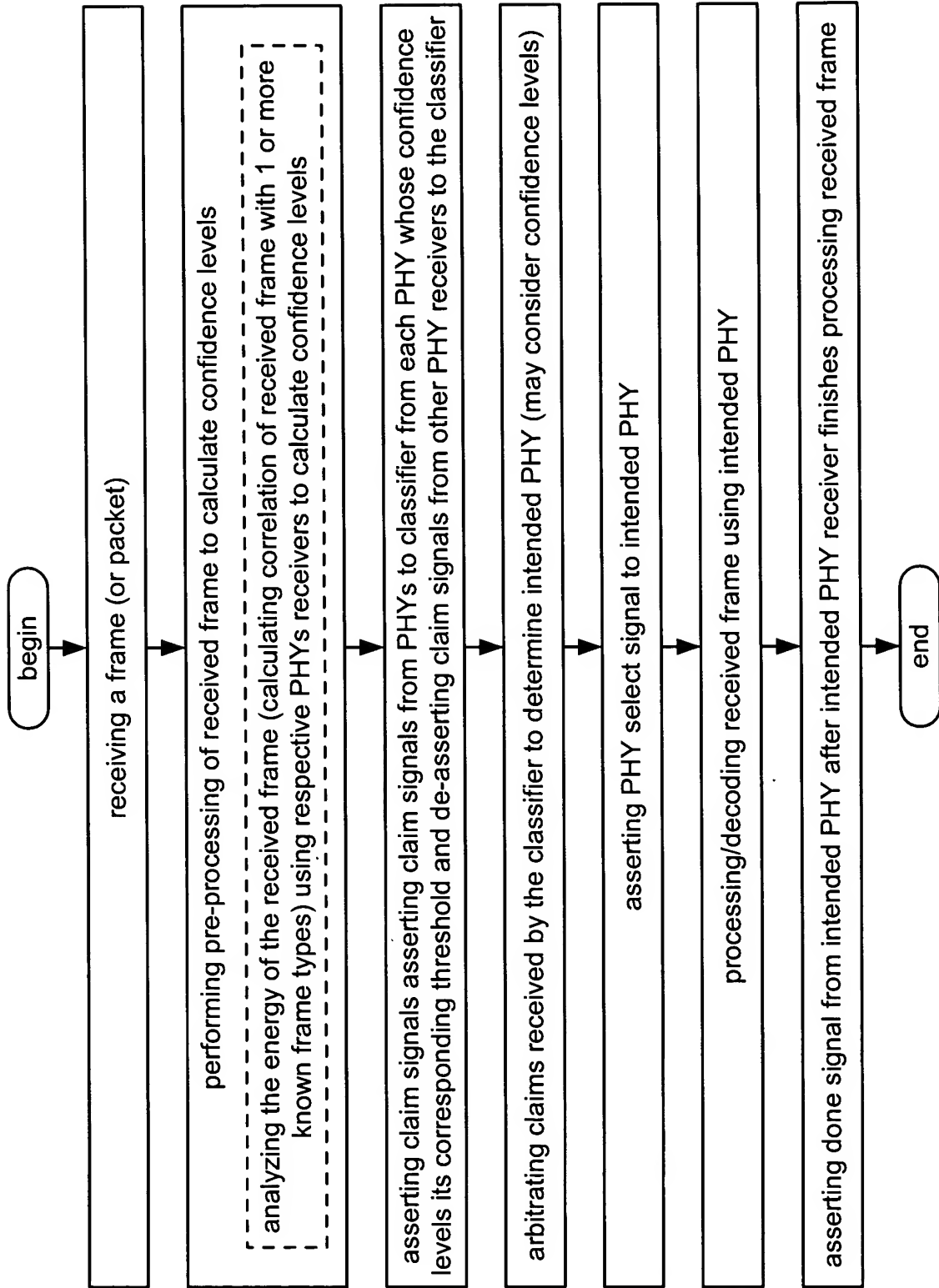
classification method

**Fig. 21**



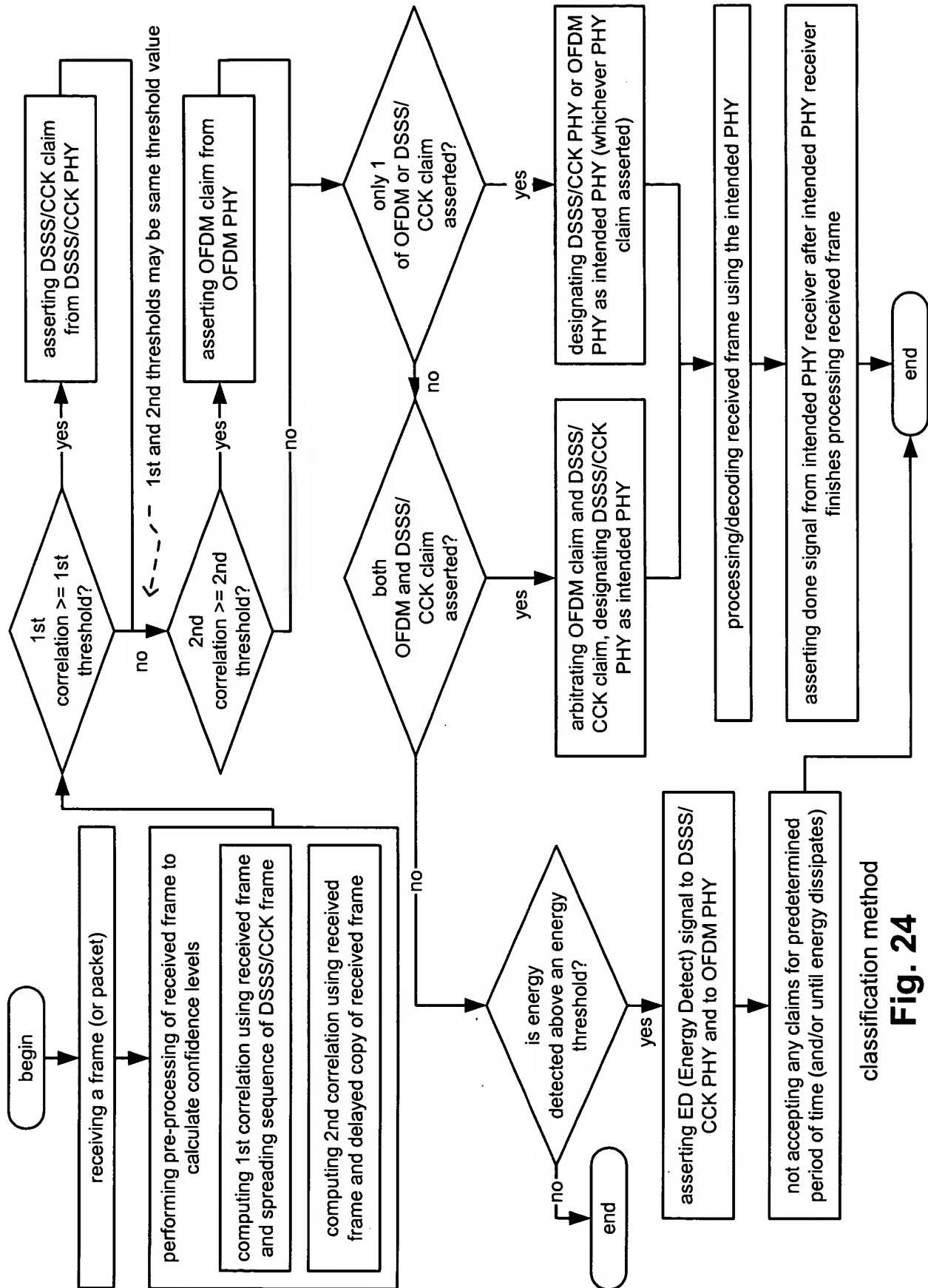
classification method

**Fig. 22**



classification method

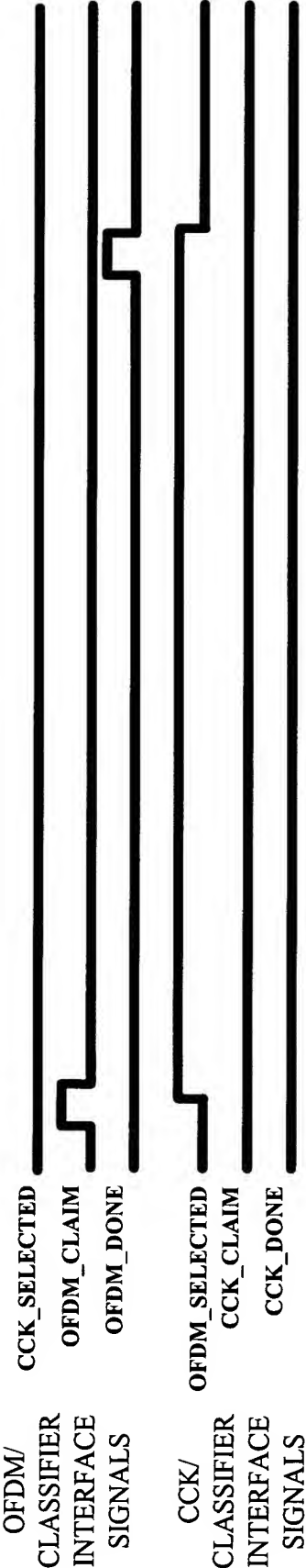
**Fig. 23**



classification method

**Fig. 24**





timing diagram for IEEE 802.11g operable device (showing example of good OFDM packet/frame)

**Fig. 25**